



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/027.401
		Filing Date	12/19/01
		First Named Inventor	Celal Albayrak
		Art Unit	
		Examiner Name	
Sheet 1 of 4	Attorney Docket Number	0081.01	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
SLD	AA	US-3523906		08/11/1970	Vrancken et al.	
	AB	US-3691090		09/12/1972	Kitajima et al.	
	AC	US-3737337		06/05/1973	Schnoring et al.	
	AD	US-3891570		06/24/1975	Fukushim et al.	
	AE	US-3943063		03/09/1976	Morishita et al.	
	AF	US-3960757		06/01/1976	Morishita et al.	
	AG	US-4166800		09/04/1979	Fong	
	AH	US-4384975		05/24/1983	Jones W. Fong	
	AI	US-4389330		06/21/1983	Tice et al.	
	AJ	US-4568559		02/04/1986	Nuwayser et al.	
	AK	US-4652441		03/24/1987	Okada et al.	
	AL	US-4675189		06/23/1987	Kent et al.	
	AN	US-4732763		03/22/1988	Beck et al.	
	AO	US-4835139		05/30/1989	Tice et al.	
	AP	US-4897268		01/30/1990	Tice et al.	
	AQ	US-4917893		04/17/1990	Okada et al.	
	AR	US-4954298		09/04/1990	Yamamoto et al.	
	AS	US-4962091		10/09/1990	Eppstein et al.	
	AT	US-4994281		02/19/1991	Muranishi et al.	
	AU	US-5019400		05/28/1991	Gombotz et al.	

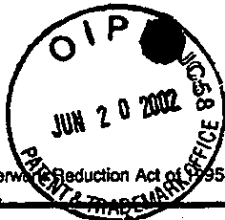
FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴ - Kind Code ⁵ (if known)				
SLD	CW	EP	04481732	03/01/1995	Takeda Chemical		
	CX	EP	0668073	04/14/1999	Takeda Chemical		
	CY	EP	202065	05/06/1986	Takeda Chemical		
	CZ	EP	251476	05/22/1986	Syntex		
	DA	EP	302582	03/31/1987	Southern Research		
	DB	EP	330180	02/22/1989	BioMaterials Univ.		
	DC	EP	190833	08/13/1986	Takeda Chemical		
	DD	EP	0315875	05/17/1989	Hoechst		
	DE	EP	438426	09/13/1989	DuPont		
	DF	EP	582459	08/03/1993	Takeda Chemical		

Examiner Signature	<i>SLD</i>	Date Considered	12/18/03
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	10/027,401
Filing Date	12/19/01
First Named Inventor	Celal Albavrak
Art Unit	
Examiner Name	
Attorney Docket Number	0081.01

Sheet 2 of 4

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code* (if known)			
SRK	DAV	US-5271961		12/12/1993	Mathiowitz et al.	
	AW	US-5330767		07/19/1994	Yamamoto et al.	
	AX	US-5366734		11/22/1994	Hutchinson et al.	
	AY	US-5384133		01/24/1995	Boyes et al.	
	AZ	US-5445832		08/29/1995	Orsolini et al.	
	BA	US-5500161		03/19/1996	Andrianov et al.	
	BB	US-5503851		04/02/1996	Mank et al.	
	BC	US-5536508		07/16/1996	Canal et al.	
	BD	US-5556642		09/17/1996	Kobayashi et al.	
	BE	US-5594091		01/14/1997	Igari et al.	
	BF	US-5603960		02/18/1997	O'Hagen et al.	
	BG	US-5609886		03/11/1997	Wantier et al.	
	BH	US-5611971		03/18/1997	Maedera et al.	
	BI	US-5622657		04/22/1997	Takada et al.	
	BJ	US-5631020		05/20/1997	Okada et al.	
	BK	US-5631021		05/20/1997	Okada et al.	
	BL	US-5635216		06/03/1997	Thompson	
	BM	US-5643605		07/01/1997	Cleland et al.	
	BN	US-5648095		07/15/1997	Illum et al.	
	BO	US-5648096		07/15/1997	Gander et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code ³	Number ⁴ - Kind Code* (if known)				
SRK	DG	EP	580428	07/22/1993	Takeda Chemical		
	DH	EP	797615	03/27/1995	Univ. of Nottingham		
	DI	CA	2100925				
	DI	CA	2009941				
	DK	GB	1405108	12/23/1971	Agfa-Gevaert		
	DL	UK	2234896				
	DM	WO	90/13780	11/15/1990	Enzytech Inc.		
	DN	WO	97/19676	06/05/1997	Schering		
	DO	WO	98/07442	02/26/1998	Intl Ctr Genetic		
	DP	WO	98/27962	07/02/1998	Alza Corp.		

Examiner Signature

SRK Molekane

Date

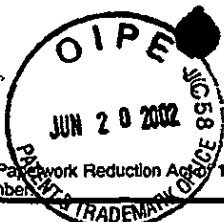
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		Application Number	10/027.401
		Filing Date	12/19/2001
		First Named Inventor	Celal Albayrak
		Art Unit	
		Examiner Name	
		Attorney Docket Number	0081.01
Sheet	3	of	4

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. 1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code* (if known)			
S/L	BP	US-5650173	07/22/1997	Ramstack et al.	
	BQ	US-5661125	08/26/1997	Strickland	
	BR	US-5676968	10/14/1997	Lipp et al.	
	BS	US-5700486	12/23/1997	Canal et al.	
	BT	US-5723269	03/03/1998	Akagi et al.	
	BU	US-5733567	03/31/1998	Arola et al.	
	BV	US-5783567	07/21/1998	Hedley et al.	
	BW	US-5766637	06/16/1998	Shine et al.	
	BX	US-5792477	08/11/1998	Rickey et al.	
	BY	US-5849884	12/15/1998	Woiszwilllo et al.	
	BZ	US-5851451	12/22/1998	Takechi et al.	
	CA	US-5853698	12/29/1998	Straub et al.	
	CB	US-5863554	01/26/1999	Ilhun et al.	
	CC	US-5902565	05/11/1999	Cox et al.	
	CD	US-5902834	05/11/1999	Porrvik et al.	
	CE	US-5916598	06/29/1999	Rickey et al.	
	CF	US-5922357	07/13/1999	Coombes et al.	
	CG	US-5929196	07/27/1999	Kissel et al.	
	CH	US-5955143	09/21/1999	Wheatley et al.	
	CI	US-5980947	11/09/1999	Yamakawa et al.	

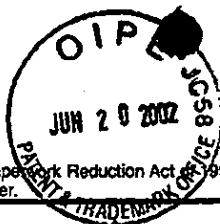
FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.†	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code 3	Number* -Kind Code* (if known)				
S/L	DD	WO	99/20253	04/29/1999	Bioglan Thera.		
	DR	WO	99/29304	06/17/1999	MA Inst. of Tech		
	DS	WO	99/58112	11/18/1999	Microbiological		
	DT	WO	00/04916	07/09/1999	Biomeasure Inc.		
	DU	WO	99/59548	11/25/1999	Mogam		
	DV	WO	01/28591	04/26/2001	Genentech		

Examiner Signature	<i>S/L Nole Bana</i>	Date Considered	12/18/03
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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁸ Applicant is to place a check mark here if English language Translation is attached.

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 4 of 4

Complete if Known

Application Number	10/027,401
Filing Date	12/19/2001
First Named Inventor	Celal Albayrak
Art Unit	
Examiner Name	
Attorney Docket Number	0081.01

U.S. PATENT DOCUMENTS

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		Number	Kind Code ² (if known)			
	CJ	US-5981474		11/09/1999	Manning et al.	
	CK	US-5985312		11/16/1999	Jacob et al.	
	CL	US-5993855		11/30/1999	Yoshimoto et al.	
	CM	US-6007845		12/28/1999	Domb et al.	
	CN	US-6020004		02/01/2000	Shah	
	CO	US-6048551		04/11/2000	Hilfinger et al.	
	CP	US-6080429		06/27/2000	Cleland et al.	
	CQ	US-6110503		08/29/2000	Rickey et al.	
	CR	US-6113943		09/05/2000	Okada et al.	
	CS	US-6120805		09/19/2000	Spelchauer et al.	
	CT	US-6143211			Mathiowitz et al.	
	CU	US-6290983		09/18/2001	Rickey et al.	
	CV	US-6291013		09/18/2001	Gibson et al.	
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FOREIGN PATENT DOCUMENTS

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		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				

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Signature

L. H. Nole

Date

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 1

Complete if Known

Application Number	10/027,401
Filing Date	12/19/01
First Named Inventor	Celal Albayrak
Group Art Unit	
Examiner Name	
Attorney Docket Number	0081.01

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
See DW		ARSHADY, "Preparation of biodegradable microspheres and microcapsules: 2. Polyactides and related polyesters," J. of Cont. Rel., 17th ed., p. 1-22, (February 5, 1991).	
DX		WATTS ET AL., "Microencapsulation Using Emulsification/Solvent Evaporation: An Overview of Techniques and Applications," Critical Reviews in Therapeutic Drug Carrier Systems, Vol. 7 (No. 3), p. 235-259, (February 5, 1990).	
DY		WANG ET AL., "Preparation and Characterization of Poly(lactic-co-glycolic acid) Microspheres for Targeted Delivery of a Novel Anticancer Agent, Taxol," Chem. Pharm. Bull., Pharmaceutical Society of Japan, Vol. 44 (No. 10), p. 1935-1940, (October 1, 1996).	
DZ		GHADERI ET AL., "Effect of preparative parameters on the characteristics of poly (D,L-lactide-co-glycolide) microspheres made by the double emulsion method," International Journal of Pharmaceutics, Elsevier Science B.V., p. 205-216, (June 16, 1996).	
EA		CLELAND, "Solvent evaporation processes for the Production of Controlled Release Biodegradable Microsphere Formulations for Therapeutics and Vaccines," Biotechnol. Prog., 1st ed., American Chemical Society & American Institute of Chemical Engineers, Vol. 14 (No. 1), p. 102-107, (February 6, 1998).	
EB		O'DONNELL ET AL., "Properties of multiphase microspheres of poly(dl-lactic acid) or poly(dl-lactic-co-glycolic acid) produced by mechanical agitation, sonication, or potentiometric dispersion," J. Microencapsulation, Taylor & Francis Ltd., Vol. 13 (No. 6), p. 667-677, (February 5, 1996).	
EC		CARTI, "A new approach to improved stability and controlled release in double emulsions, by the use of graft-comb polymeric amphiphiles," Acta Polym, Wiley-VCH (Weinheim), p. 606-616, (February 5, 1998).	
ED		AFTABROUSHAD ET AL., "Factors Influencing the Entrapment of a Water Soluble Model Drug into Injectable Microparticles Prepared Using Solvent Evaporation and Phase Separation Techniques," Eur. J. Pharm BioPharm, medpharm GmbH Scientific Publishers (Stuttgart), Vol. 40 (No. 4), p. 237-242, (February 5, 1994).	

Examiner Signature

See Note above

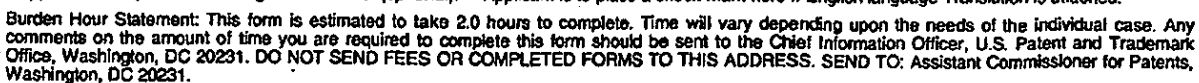
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

1

of

1

Application Number

10/027.401

Filing Date

12/19/2001

First Named Inventor

Celal Albayrak

Art Unit

1615

Examiner Name

Unknown

Attorney Docket Number

0081.01

U. S. PATENT DOCUMENTS

[illegible]**FOREIGN PATENT DOCUMENTS**

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				
LH ↓ ✓	1	WO	28969	05/25/2000	HOCHHAUS GUENTHER	P. 32, L 32 - P. 33, L. 14	
	2	DE	19916384	10/05/2000	SCHERING AG	Col. 5, Ex. 3	
	3	FR	2797784	03/02/2001	MAINELAB	P. 1, L. 1-3; P. 23, L. 1 - P. 29, L. 9	

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